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“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6283-2 (2007): Tractors and machinery for agriculture and forestry, powered lawn and garden equipment - symbols for operator controls and other displays, Part 2: Symbols for agricultural tractors and machinery [FAD 11: Agricultural Tractors and Power Tillers]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaranay Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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भारतीय मानक

कृषि तथा वानिकी के लिए ट्रैक्टर तथा मशीनरी, पावरकृत लॉन
बगीचे संबंधी उपस्कर — प्रचालक नियंत्रण तथा अन्य प्रदर्शों के
लिए संकेत

भाग 2 कृषि ट्रैक्टर व मशीनरी के लिए संकेत

(द्वितीय पुनरीक्षण)

Indian Standard

TRACTORS AND MACHINERY FOR AGRICULTURE
AND FORESTRY, POWERED LAWN AND GARDEN
EQUIPMENT — SYMBOLS FOR OPERATOR
CONTROLS AND OTHER DISPLAYS

PART 2 SYMBOLS FOR AGRICULTURAL TRACTORS AND MACHINERY
(Second Revision)

ICS 65.060.10

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

NATIONAL FOREWORD

This Indian Standard (Part 2) (Second Revision) which is identical with ISO 3767-2 : 1991 'Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 2: Symbols for agricultural tractors and machinery' issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on the recommendation of the Agricultural Tractors and Power Tillers Sectional Committee and approval of the Food and Agriculture Division Council.

This standard was first published in 1971. After the publication of ISO 3767-1 : 1991 and ISO 3767-2 : 1991, this standard was also revised by splitting into two parts in line with ISO Standard. Part 1 of this standard covers the common symbols; Part 2 covers the symbols for agricultural tractors and machinery.

National Annex A has been printed at the end of the publication.

Amendment Nos.1, 2 and 3 to the above International Standard have been printed after National Annex A.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

The technical committee responsible for the preparation of this standard has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 3461-1 : 1988	General principles for the creation of graphical symbols — Part 1: Graphical symbols for use on equipment
ISO 3767-1 : 1991	Tractors and machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols
ISO 4196 : 1984	Graphical symbols — Use of arrows
ISO 7000 : 1989	Graphical symbols for use on equipment — Index and synopsis
IEC 417 (1973)	Graphical symbols for use on equipment — Index, survey and compilation of the single sheets and its supplements [IEC 417A (1974), IEC 417B (1975), IEC 417C (1977), IEC 417D (1978), IEC 417E (1980), IEC 417F (1982), IEC 417G (1985), IEC 417H (1987) and IEC 417J (1990)]

Indian Standard

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY, POWERED LAWN AND GARDEN EQUIPMENT — SYMBOLS FOR OPERATOR CONTROLS AND OTHER DISPLAYS

PART 2 SYMBOLS FOR AGRICULTURAL TRACTORS AND MACHINERY (Second Revision)

1 Scope

This part of ISO 3767 establishes symbols for use on operator controls and other displays on tractors and machinery for agriculture as defined in ISO 3339-0.

The symbols given in this part of ISO 3767 are for controls and displays specific to agricultural tractors and machinery such as combine harvesters, cotton pickers, balers and forage harvesters.

NOTE 1 The foreword lists other parts of this International Standard, where symbols for specific forms of machinery and equipment may be found.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 3767. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 3767 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3461-1:1988, *General principles for the creation of graphical symbols — Part 1: Graphical symbols for use on equipment*.

ISO 3767-1:1991, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols*.

ISO 4196:1984, *Graphical symbols — Use of arrows*.

ISO 7000:1989, *Graphical symbols for use on equipment — Index and synopsis*.

IEC 417:1973, *Graphical symbols for use on equipment — Index, survey and compilation of the single sheets, and its supplements (IEC 417A:1974, IEC 417B:1975, IEC 417C:1977, IEC 417D:1978, IEC 417E:1980, IEC 417F:1982, IEC 417G:1985, IEC 417H:1987, IEC 417J:1990)*.

3 Definition

For the purposes of this part of ISO 3767, the definition given in ISO 3767-1 applies.

4 General

4.1 Symbols shall be as shown in succeeding clauses of this part of ISO 3767. However, selected symbols and selected combined symbols, which are shown in outline form in this part of ISO 3767, may be shaded in actual use for clarity of reproduction and improved visual perception by the operator, except as otherwise noted for individual symbols.

4.2 Limitations inherent in some reproduction and display technologies may require increased line thickness or other minor modifications of symbols. Such modifications are acceptable provided the symbol remains unchanged in its basic graphical elements, and easily discernible by the operator.

4.3 Additionally, to improve the appearance and perceptibility of a graphical symbol or to coordinate with the design of the equipment to which it is applied, it may be necessary to change the line thick-

ness or to round off the corners of the symbol. The graphical designer is normally free to make such changes provided that the essential perceptual characteristics of the symbol are maintained. See ISO 3461-1:1988, subclause 10.2.

4.4 For actual use, all symbols shall be reproduced large enough to be easily discernible by the operator. See ISO 3461-1 for guidelines for proper sizing of symbols. Symbols shall be used in the orientations shown in this part of ISO 3767 unless otherwise noted for individual symbols.

4.5 Most symbols are constructed using a building-block approach in which various symbols and symbol elements are combined in a logical manner to produce a new symbol.

4.6 If a symbol shows a machine or parts of a machine in a side view, a machine moving from right to left in the symbol area shall be assumed. If a symbol shows a machine or parts of a machine in an overhead (top) view, a machine moving from bottom to top in the symbol area shall be assumed.

4.7 Symbols on controls and displays shall have good contrast to their background. A light symbol on a dark background is preferred for most controls. Displays may use either a light symbol on a dark background or a dark symbol on a light background, depending upon which alternative provides the best visual perception. When a symbol image is reversed (for example, black to white and vice versa) it shall be done for the entire symbol.

4.8 Symbols shall be located on or adjacent to the control or display that is being identified. Where more than one symbol is required for a control, the symbols shall be located in relation to the control such that movement of the controls towards the symbol shall effect the function depicted by that symbol.

4.9 Arrows used in symbols shall conform to the requirements of ISO 4196. ISO 3461-1 shall be consulted for the general principles of creating symbols.

4.10 ISO/IEC registration numbers are shown for symbols in this International Standard. Registration numbers below 5000 refer to ISO 7000. Registration numbers above 5000 refer to IEC 417.

4.11 Letters and numerals may be used as symbols, but are not registered by ISO/TC 145 or published in ISO 7000. In certain clauses, letters and numerals have the meaning indicated when used in association with transmission gear controls and displays on tractors and machinery for agriculture and forestry. The fonts shown in this International Standard are not intended to be restrictive; other fonts may be substituted, but care shall be taken that legibility is maintained.

4.12 Symbols in this part of ISO 3767 are presented 32 % of original size. The grid marks "L" denote the corners of the 75 mm square of the graphic grid presented. The grid marks are not part of the symbol but are provided to ensure consistent presentation of all symbol graphics.

4.13 Microfiches of the symbols are available from the ISO/TC 145 Secretariat.

5 Colour

5.1 When used on illuminated displays, the following colours have the meanings indicated:

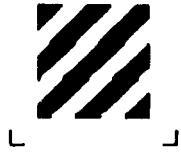
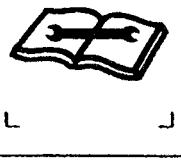
- red: failure or serious malfunction; requires immediate attention;
- yellow or amber: outside normal operating limits;
- green: normal operating condition.

5.2 In addition, certain colours are used for specific functions:

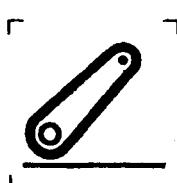
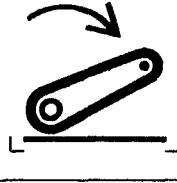
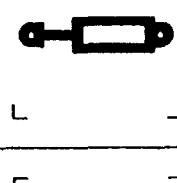
- blue: headlight main-/high-beam display;
- red: hazard warning display;
- green: turn signal display.

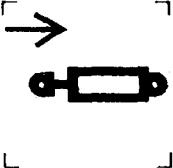
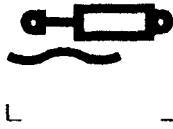
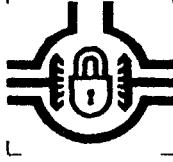
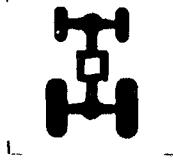
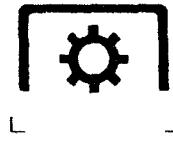
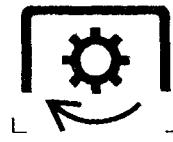
5.3 If colour is used on symbols for the heating and/or cooling systems, the colour red shall be used to indicate hot, and the colour blue shall be used to indicate cold.

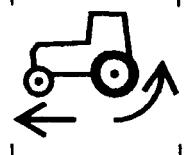
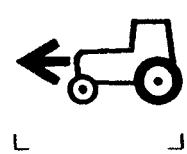
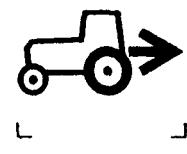
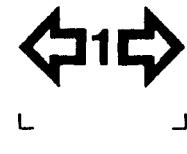
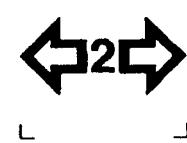
6 General symbols

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
6.1		Lock	1656
6.2		Area worked	1657
6.3		Area worked per hour	1658
6.4		Service indicator	1659

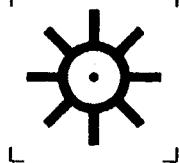
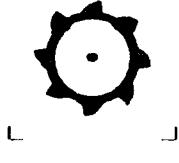
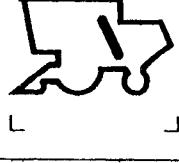
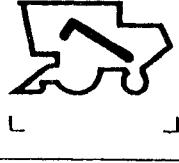
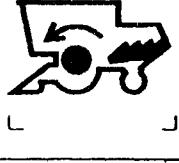
7 Agricultural tractor symbols

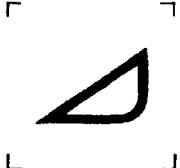
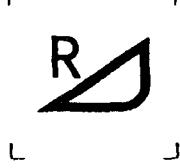
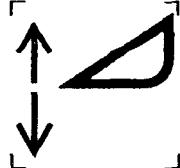
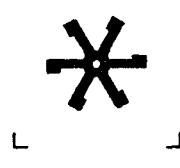
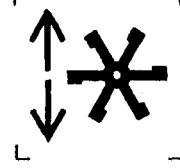
Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
7.1		Rockshaft — Basic symbol	1566
7.2		Rockshaft — Up	1567
7.3		Rockshaft — Down	1568
7.4		Rockshaft — Float	1660
7.5		Remote cylinder — Basic symbol	1569
7.6		Remote cylinder — Extend	1570

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
7.7		Remote cylinder — Retract	1571
7.8		Remote cylinder — Float	1661
7.9		Differential lock [May be used with On (5007) and Off (5008) or On/off (5010), or Engage (0022) and Disengage (0023) symbols.]	1662
7.10		4-Wheel drive [May be turned 180° for normally front-wheel drive machines. May be used with On (5007) and Off (5008) or On/off (5010), or Engage (0022) and Disengage (0023) symbols.]	1663
7.11		PTO (Power Take-Off) [May be used with On (5007) and Off (5008) or On/off (5010), or Engage (0022) and Disengage (0023) symbols.]	1572
7.12		PTO (Power Take-Off) — Rotational speed (To be used with PTO speed selection or display. Numerical values of speed should be indicated in conjunction with the control or display.)	1664

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
7.13		Tractor — Wheel slip	1665
7.14		Tractor — Direction of movement forward (side view of machine)	1666
7.15		Tractor — Direction of movement rearward (side view of machine)	1667
7.16		Turn signal — Tractor and first trailer	1419
7.17		Turn signal — Tractor and second trailer	1420

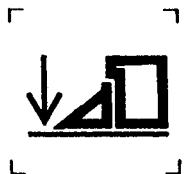
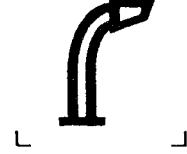
8 Harvesting machinery and equipment symbols

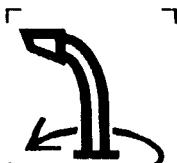
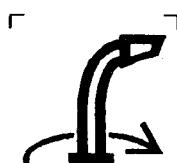
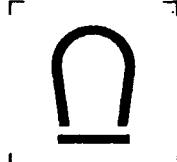
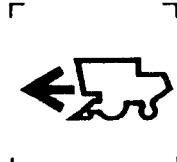
Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.1		Chopper (May be used for any chopper; symbol is not restricted to harvesting machinery.)	1573
8.2		Threshing cylinder [May be used with Continuously variable (1364 or 5004), or Increase (5005) and Decrease (5006) symbols.]	1574
8.3		Straw walker	1575
8.4		Combine – Grain elevator/auger	1576
8.5		Combine – Tailings elevator/auger	1577
8.6		Combine – Separator drive [May be used with On (5007) and Off (5008) or On/off (5010), or Engage (0022) and Disengage (0023) symbols.]	1578

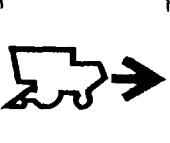
Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.7		Header or header drive [May be used with On (5007) and Off (5008) or On/off (5010), or Engage (0022) and Disengage (0023) symbols.]	1579
8.8		Header drive — Reverse [May be used with On (5007) and Off (5008) or On/off (5010), or Engage (0022) and Disengage (0023) symbols.]	1580
8.9		Header — Height [May be used with Continuously variable (1364 or 5004), or Increase (5005) and Decrease (5006) symbols.]	1581
8.10		Header Position — Float	1668
8.11		Reel or reel drive [May be used with On (5007) and Off (5008) or On/off (5010), or Engage (0022) and Disengage (0023) symbols.]	1582
8.12		Reel — Height [May be used with Continuously variable (1364 or 5004), or Increase (5005) and Decrease (5006) symbols.]	1583

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.13		Reel — Distance [May be used with Continuously variable (1364 or 5004), or Increase (5005) and Decrease (5006) symbols.]	1584
8.14		Reel — Move forward	1669
8.15		Reel — Move rearward	1670
8.16		Reel — Speed [May be used with Continuously variable (1364 or 5004), or Increase (5005) and Decrease (5006) symbols.]	1671
8.17		Concave adjustment [May be used with Continuously variable (1364 or 5004), or Increase (5005) and Decrease (5006) symbols.]	1585
8.18		Sieve adjustment [May be used with Continuously variable (1364 or 5004), or Increase (5005) and Decrease (5006) symbols.]	1586

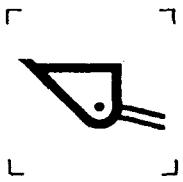
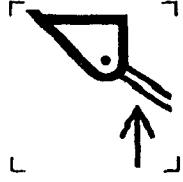
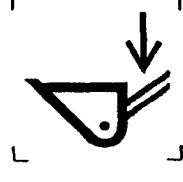
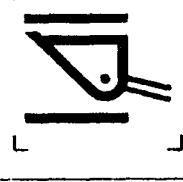
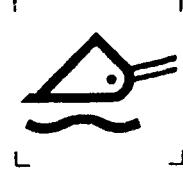
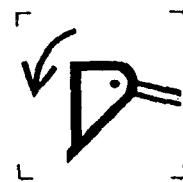
Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.19		Unloader — Basic symbol	1672
8.20		Unloader — Swing out	1587
8.21		Unloader — Swing in	1588
8.22		Unloader drive — Discharge	1589
8.23		Cotton picking unit — Basic symbol	1590
8.24		Cotton picking unit — Up	1591

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.25		Cotton picking unit — Down	1592
8.26		Basket — Basic symbol	1593
8.27		Basket — Dump	1673
8.28		Basket — Return/carry	1674
8.29		Forage harvester — Spout — Basic symbol	1594
8.30		Forage harvester — Spout deflector — Up	1595

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.31		Forage harvester — Spout deflector — Down	1596
8.32		Forage harvester — Spout rotation — Left	1675
8.33		Forage harvester — Spout rotation — Right	1676
8.34		<p>Cleaning fan</p> <p>[May be used with On (5007) and Off (5008) or On/off (5010), or Engage (0022) and Disengage (0023), or Continuously variable (1364 or 5004), or Increase (5005) and Decrease (5006) symbols.]</p>	1597
8.35		Magnetic metal detector	1677
8.36		Combine — Direction of movement forward (side view of machine)	1678

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.37		Combine — Direction of movement rearward (side view of machine)	1679

9 Loader bucket symbols

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
9.1		Bucket — Basic symbol	1437
9.2		Bucket — Raise	1438
9.3		Bucket — Lower	1439
9.4		Bucket — Hold	1440
9.5		Bucket — Float	1441
9.6		Bucket — Dump	1442

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
9.7		Bucket — Rollback	1443

Annex A
(informative)

Bibliography

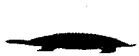
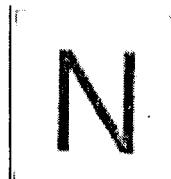
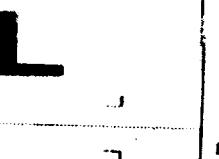
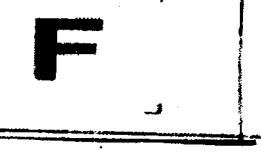
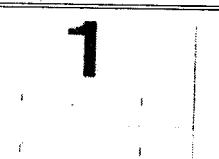
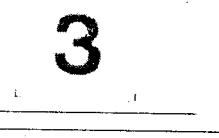
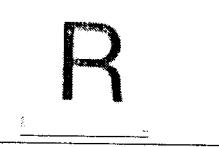
- [1] ISO 3339-0:1986, *Tractors and machinery for agriculture and forestry — Classification and terminology — Part 0: Classification system and classification.*

NATIONAL ANNEX A

(National Foreword)

A-1 SYMBOLS FOR TRACTOR ONLY

Clause	Additional Symbol to be Included Along with the Symbols Already Given in AIS 071/D1	Description
F.01		Engine
F.03		Engine coolant temperature
F.04		Engine oil pressure
F.13		Engine start
F.14		Engine shut-off/Engine stop
F.22		Hour Meter/Elapsed operating hours
F.23		Engine Rotational speed/Frequency
G.01		Fuel level
G.08		Fuel shut-off

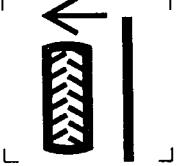
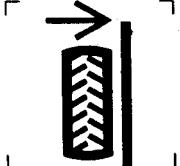
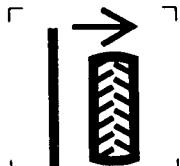
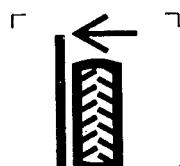
Clause	Additional Symbol to be Included Along with the Symbols Already Given in AIS 071/D1	Description
H.12	 	Fast
H.13	 	Slow
H.14	 	<u>Neutral</u>
H.15	 	High
H.16	 	Low
H.17	 	Forward
H.18	 	<u>First Gear</u>
H.19	 	<u>Second Gear</u>
H.20	 	Third Gear (Other numbers may be used until the maximum numbers of forward gears is reached)
H.21	 	Reverse

Clause	Additional Symbol to be Included Along with the Symbols Already Given in AIS 071/D1	Description
I. 23		Power take-off (On Position) (In case of Agrl. Tractor)
I. 24		Power take-off (Off Position) (In case of Agrl. Tractor)
I. 25		Differential lock control (In case of Agrl. Tractor)

AMENDMENT 1

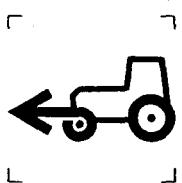
Page 3, clause 6, General symbols

Add the following symbols below 6.4.

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
6.5		Wheel adjustment — Left wheel — Move out	2129
6.6		Wheel adjustment — Left wheel — Move in	2130
6.7		Wheel adjustment — Right wheel — Move out	2131
6.8		Wheel adjustment — Right wheel — Move in	2132

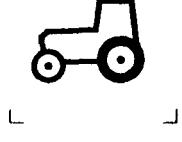
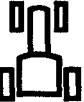
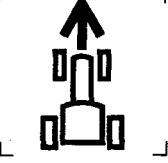
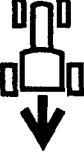
Page 5, clause 7, Agricultural tractor symbols

Replace symbol 7.10 as shown below.

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
7.10		Tractor — Front wheel drive [Replaces symbol 7.10 (1663) from ISO 3767-2:1991.]	1663

Page 6

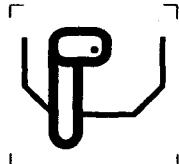
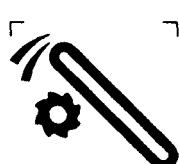
Add the following symbols below 7.17.

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
7.18		Tractor — Basic symbol (side view of machine)	2133
7.19		Tractor — Basic symbol (overhead view of machine)	2134
7.20		Tractor — Direction of movement — Forward (overhead view of machine)	2135
7.21		Tractor — Direction of movement — Rearward (overhead view of machine)	2136

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
7.22		Tractor — Auxiliary headlights	2137

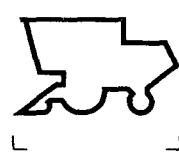
Page 7, clause 8, Harvesting machinery and equipment symbols

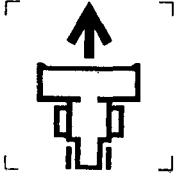
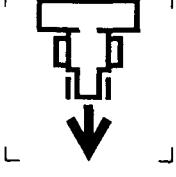
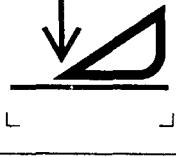
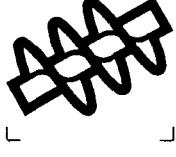
Replace symbols 8.4 and 8.5 as shown below.

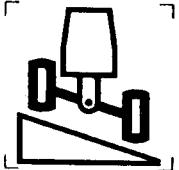
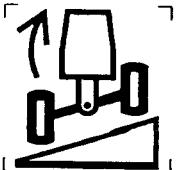
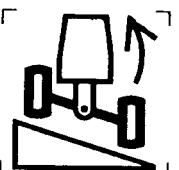
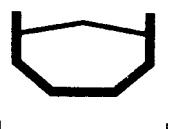
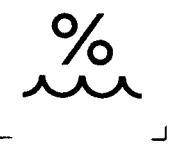
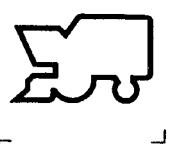
Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.4		Grain elevator/auger [Replaces symbol 8.4 (1576) from ISO 3767-2:1991.]	1576
8.5		Tailings elevator/auger [Replaces symbol 8.5 (1577) from ISO 3767-2:1991.]	1577

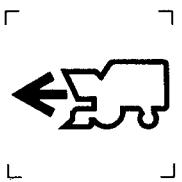
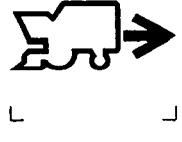
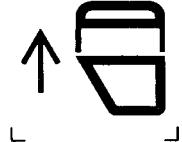
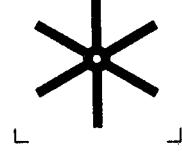
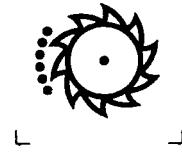
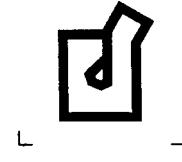
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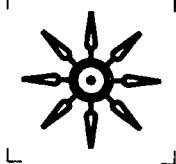
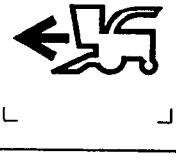
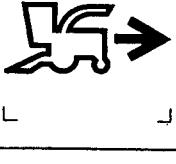
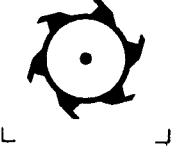
Add the following symbols below 8.37.

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.38		Combine — Basic symbol (side view of machine)	2138

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.39		Combine — Basic symbol (overhead view of machine)	2139
8.40		Combine — Direction of movement — Forward (overhead view of machine)	2140
8.41		Combine — Direction of movement — Rearward (overhead view of machine)	2141
8.42		Header — Height — Raise	2142
8.43		Header — Height — Lower	2143
8.44		Auger conveyor	2144

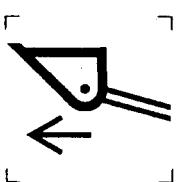
Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.45		Sidehill machine — Basic symbol (rear view of machine)	2145
8.46		Sidehill machine — Level left side (rear view of machine)	2146
8.47		Sidehill machine — Level right side (rear view of machine)	2147
8.48		Tank	2148
8.49		Crop moisture content	0505
8.50		Cotton harvester — Basic symbol (side view of machine)	2149

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.51		Cotton harvester — Direction of movement — Forward (side view of machine)	2150
8.52		Cotton harvester — Direction of movement — Rearward (side view of machine)	2151
8.53		Basket — Extend	2152
8.54		Cleaner feed	2153
8.55		Cleaner saw	2154
8.56		Cotton chamber/door	2155

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.57		Spindle drum	2156
8.58		Self-propelled forage harvester — Basic symbol (side view of machine)	2157
8.59		Self-propelled forage harvester — Direction of movement — Forward (side view of machine)	2158
8.60		Self-propelled forage harvester — Direction of movement — Rearward (side view of machine)	2159
8.61		Cutterhead	2160

Page 15, Loader symbols

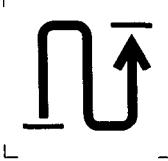
Add the following symbols below 9.7.

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
9.8		Loader — Bucket — Extend	2161
9.9		Loader — Bucket — Retract	2162

AMENDMENT 2: Additional symbols

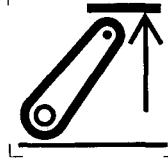
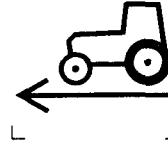
Page 3, clause 6, General symbols

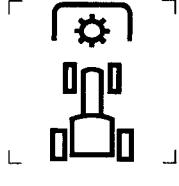
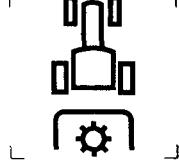
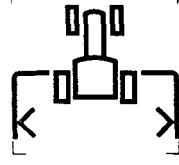
Add the following symbols below 6.8.

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
6.9		<p>Work distance travelled (This symbol represents the distance travelled by a machine during field operations. In conjunction with header or implement width, this information may be used to calculate the area worked or the area worked per hour.)</p>	2177

Page 6, clause 7, Agricultural tractor symbols

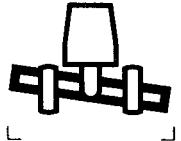
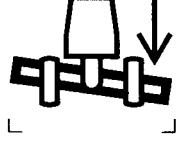
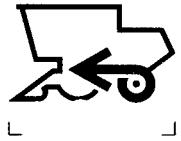
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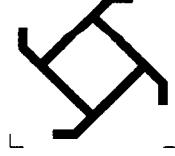
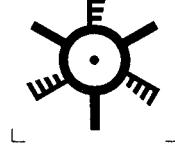
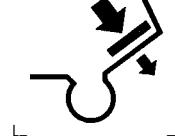
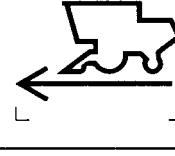
Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
7.23		<p>Rockshaft — Upper limit (This symbol is used for the control that sets maximum height to which an implement can be raised by the rockshaft.)</p>	2178
7.24		Tractor — Ground speed	2179

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
7.25		Tractor with front PTO — Side view of machine	2180
7.26		Tractor with rear PTO — Side view of machine	2181
7.27		Tractor with front PTO — Overhead view of machine	2182
7.28		Tractor with rear PTO — Overhead view of machine	2183
7.29		Tractor with towed implement — Implement width	2184

Page 13, clause 8, Harvesting machinery and equipment symbols

Add the following symbols below 8.61.

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.62		Header — Lateral tilt — Basic symbol	2185
8.63		Header — Lateral tilt — Tilt left	2186
8.64		Header — Lateral tilt — Tilt right	2187
8.65		Combine — Powered rear wheels	2188
8.66		Separator drive oil — Basic symbol	2189
8.67		Separator drive oil — Pressure	2190

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.68		Separator drive oil — Filter	2191
8.69		Separator drive oil — Temperature	2192
8.70		Combine — Beater	2193
8.71		Cotton harvester — Brush rolls	2194
8.72		Combine — Restricted crop flow	2195
8.73		Combine — Ground speed	2196

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
8.74		Cotton harvester — Ground speed	2197
8.75		Self-propelled forage harvester — Ground speed	2198
8.76		Forage harvester — Cutterhead — Speed	2199

Page 15, clause 9, Loader bucket symbols

Add the following symbols below 9.9.

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
9.10		Loader — Bucket — Grapple — Basic symbol	2200
9.11		Loader — Bucket — Grapple — Open	2201

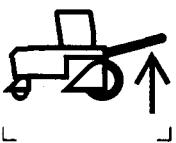
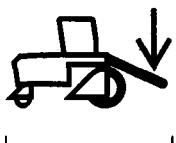
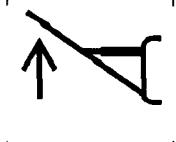
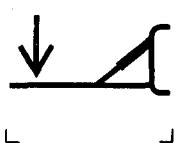
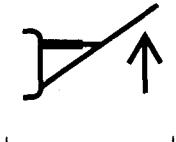
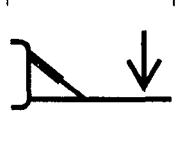
Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
9.12		Loader — Bucket — Grapple — Close	2202

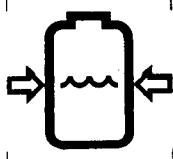
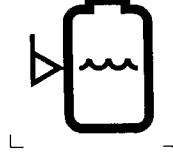
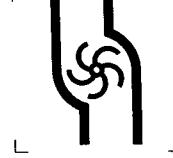
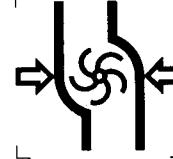
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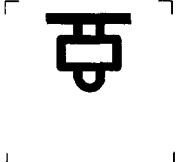
Add the following clause.

10 Sprayer symbols

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
10.1		Self-propelled sprayer — Basic symbol — Side view of machine	2203
10.2		Self-propelled sprayer — Direction of movement — Forward — Side view of machine	2204
10.3		Self-propelled sprayer — Direction of movement — Rearward — Side view of machine	2205
10.4		Self-propelled sprayer — Centre frame — Basic symbol	2206

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
10.5		Self-propelled sprayer — Centre frame — Raise	2207
10.6		Self-propelled sprayer — Centre frame — Lower	2208
10.7		Sprayer — Left boom — Raise (The symbol is shown as viewed from the perspective of a person looking forward along the axis of the machine.)	2209
10.8		Sprayer — Left boom — Lower (The symbol is shown as viewed from the perspective of a person looking forward along the axis of the machine.)	2210
10.9		Sprayer — Right boom — Raise (The symbol is shown as viewed from the perspective of a person looking forward along the axis of the machine.)	2211
10.10		Sprayer — Right boom — Lower (The symbol is shown as viewed from the perspective of a person looking forward along the axis of the machine.)	2212

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
10.11		Spray solution tank — Basic symbol	2213
10.12		Spray solution tank — Pressure	2214
10.13		Spray solution tank — Level	2215
10.14		Spray solution pump — Basic symbol	2216
10.15		Spray solution pump — Pressure	2217
10.16		Nozzle — Spray — On	2218

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
10.17		Nozzle — Spray — Off	2219

AMENDMENT 3

Page 6, clause 7

Add these symbols following 7.29.

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
7.30		Tractor — Front wheel drive — Automatic operation (Front wheel drive is engaged or disengaged automatically based on tractor operating conditions such as travel speed, wheel slip, and brake pedal position.)	2420
7.31		Tractor — Front wheel drive — Braking (Front wheel drive is engaged when brakes are applied at travel speeds above a specified limit. Otherwise, front wheel drive is disengaged when control is in this position.)	2421

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